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Please print or type with ELITE type *(12 characters per inch)* in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-88
GSA No. 0246-EPA-O

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law *(Section 3010 of the Resource Conservation and Recovery Act)*.

For Official Use Only

Comments: C C

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)	
C F VA 7 6 9 0 5 9 0 0 2 4 T/A C 1		8 6 0 8 2 9	061 Fauquier

I. Name of Installation

C 3: EPA ENVIRO. PHOTO. INTERP. CENTER

II. Installation Mailing Address

Street or P.O. Box — C 3: PO 1587 VINT HILL FARMS STA.

City or Town	State	ZIP Code
C 4: WARRENTON	VA	22186

III. Location of Installation

Street or Route Number — C 5: BLDG. 166 VINT HILL FARMS STA.

City or Town	State	ZIP Code
C 6: WARRENTON	VA	22186

IV. Installation Contact

Name and Title *(last, first, and job title)*	Phone Number *(area code and number)*
C 2: SHARP DOUG CHEMIST	703 347 6348

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership *(enter code)*
C R: US EPA	FC

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [ ] 1b. Less than 1,000 kg/mo.
- [ ] 2. Transporter
- [ ] 3. Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [ ] 7. Specification Used Oil Fuel Marketer *(or On site Burner)* Who First Claims the Oil Meets the Specification

AUG 1986 RECEIVED WASTE MANAGEMENT BRANCH

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

- [ ] A. Utility Boiler
- [ ] B. Industrial Boiler
- [ ] C. Industrial Furnace

VIII. Mode of Transportation *(transporters only. Enter 'X' in the appropriate box(es))*

- [ ] A. Air
- [ ] B. Rail
- [ ] C. Highway
- [ ] D. Water
- [ ] E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- [ ] A. First Notification
- [X] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number: ~~VAD056505431~~

the bionetics corporation ORIGINAL

P.O. BOX 1575 ORIGINAL
VINT HILL FARMS STATION
WARRENTON, VIRGINIA 22186
(703) 347-6348

August 18, 1986

Ms. Julia Collins
Virginia Department of Health
Division of Hazardous Waste Management
Monroe Building
11th Floor
101 North 14th Street
Richmond, VA 23219

Dear Ms. Collins:

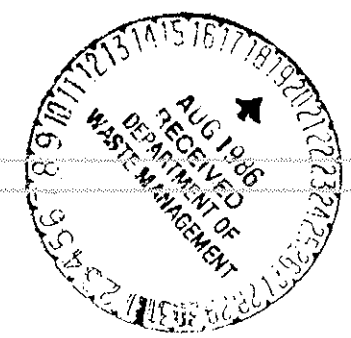
The EPA Environmental Photographic Interpretation Center (EPA-EPIC) originally filed notification of hazardous waste activity with EPA Region III in August of 1980. A recent in-house EPA environmental audit discovered that the EPA-EPIC documents were improperly processed and that neither the Commonwealth of Virginia or EPA Region III have records of the EPA identification number assigned to EPA-EPIC as a result of that application.

The purpose of this reapplication is to correct that situation and to obtain a valid EPA identification number for this facility.

Sincerely,

Douglas C. Sharp

Douglas C. Sharp
Chemist



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CENTER
VINT HILL FARM STATION
P.O. 1587, WARRENTON, VIRGINIA 22186

April 15, 1988

Mr. Steven Hirsh
Docket Coordinator
Federal Agency Hazardous Waste
Compliance Docket
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

Dear Mr. Hirsh:

In response to your request to Douglas Sharp of the Bionetics Corporation, contractor to this facility, enclosed is the Preliminary Assessment (PA) Report for Building 166, Environmental Photographic Interpretation Center (EPIC) of the U.S. EPA, EMSL-Las Vegas Laboratory.

Please note that the EPIC Facility is a tenant organization of Vint Hill Farms Station of the U.S. Army, and all discharges from this building are through the Post sewage treatment plant. Although I have not verified this information, be aware that it is possible that the EPIC facility might be reported as a component organization within the PA report submitted by the U.S. Army for the Vint Hill Farms Station facility.

If you have any further questions about this report, please address them to me at (703) 349-8970 or FTS 557-3110.

Sincerely,

Thomas R. Osberg
Environmental Compliance Coordinator
Environmental Photographic Interpretation Center
Advanced Monitoring Systems Division

Enclosure

cc: (w/enclosure)
Eugene P. Meier, AMD
Robert G. Patzer, NRS

NEW

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: VA | 02 SITE NUMBER: 6905900274

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
U.S. EPA Environmental Photo Interpretation Center	Bldg. 166, Vint Hill Farms Station

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Warrenton	VA	22186	Fauquier		7th

09 COORDINATES: LATITUDE 38° 44' 23" | LONGITUDE 77° 40' 52"

10 DIRECTIONS TO SITE (Starting from nearest public road)
U.S. Route 29-211 to U.S. Route 215, right to State Route 652
3 Km to Vint Hill Farms Station, Bldg 166

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
H.Q. Army Materiel Command	5001 Eisenhower Avenue

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Alexandria	VA	22333-0001	(703) 274-9899

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
U.S. EPA Environmental Photo Interpretation Center	PO Box 1587, Vint Hill Farms Station

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
Warrenton	VA	22186	(703) 349-8970

13 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☒ B. FEDERAL: U.S. EPA (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☒ A. RCRA 3001 DATE RECEIVED: 7/5/80 (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / / (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES ☐ NO DATE: 11/ /86 EPA (MONTH DAY YEAR)
8/7/86 (Contractor)
BY (Check all that apply)
☒ A. EPA ☒ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: (Specify)
CONTRACTOR NAME(S): Arthur D. Little, Inc.

02 SITE STATUS (Check one)	03 YEARS OF OPERATION
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	7-73 (BEGINNING YEAR) Present (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Silver thiosulfate, ferricyanide bleach; waste systems cleaner containing chromium; hydrobromic acid, sulfuric acid, glacial acetic acid, sulfuric acid, sodium hydroxide, ammonium hydroxide, various photo processing solutions.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Discharge of substances listed in Sec IV-04 to the local sewage treatment plant could disrupt its operation and result in adverse impact to the receiving waters. On-site combustion could produce toxic atmosphere with human casualty.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Thomas R. Osberg	U.S. Environmental Protection Agency	(703) 349-8970

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Douglas C. Sharp	EPA	EPIC	(703) 349-8975	4/ /88 (MONTH DAY YEAR)

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: VA | 02 SITE NUMBER:

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION
N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)
N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION
N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: 3
02 ☒ OBSERVED (DATE: 3-88) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
The current pollution control system relies on manually operated back-up containment which will allow chemical escape if spill situations are not discovered quickly.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION
N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION
The EPA-EPIC has infrequently lost controlled chemicals to the sewage treatment plant through accidental circumstance causing temporary disruption to the operation of the sewage treatment plant receiving the EPA-EPIC waste water.
02 ☒ OBSERVED (DATE: 3-88) ☐ POTENTIAL ☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION
N/A
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 40

IV. COMMENTS
EPA-EPIC is an aerial photo processing facility employing RCRA exempt recycling activities & short-term hazardous waste storage, & off-site disposal operations. EPIC was a small quantity generator during 1987, but is not a TSDF.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)
Reports entitled "Environmental Contamination Survey of Vint Hill Farms Station, VA" by the US Army Toxic & Hazardous Materials Agency, Mar 86; "Report of Industrial Waste Survey VHFS, VH" Apr 67; and "Water Quality Engineering Special Study No. 32-24-0096-79" Jun 78, by the U.S. Army Environmental Hygiene Agency. Environmental Audit by Region 3, Annapolis Laboratory conducted Nov 86.

EPA FORM 2070-12 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
VA	

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☒ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS 0-6

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	6	Dr	Silver recovered on-site

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Used fixer	7440-27-4	TK/reclaimed	1.5	G/L
MES	Waste Systems Cleaner	7440-47-3	DR/off-site	22	MG/L
OCC	Ferricyanide bleach	999	TK/recycled	130	G/L
ACD	Hydrobromic acid	999	DR	48%	W/W
ACD	Sulfuric acid	7664-93-9	1 gallon bottles	98%	W/W
ACD	Acetic acid	64-19-7	1 gallon bottles	68%	W/W
BAS	Sodium hydroxide	1310-73-2	5 gallon carboy	50%	W/W
BAS	Ammonium hydroxide	1336-21-6	1 gallon bottles	29%	W/W

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Sample analysis
Material Safety Data Sheets

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EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: VA | 02 SITE NUMBER:

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: NA
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☒ OBSERVED (DATE: 7/73) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

EPA-EPIC commenced operation in building formerly operated by Defense Intelligence Agency and U.S. Air Force. All photo processing solutions discharged to ditch leading to surface waters until 10/83 when effluent redirected to sewage treatment plant.

01 ☒ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: 200
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Could occur in the event of large fire involving chemical storage area with escape of smoke into atmosphere

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: 40
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Photo processing chemical kits contained in shipping boxes on wooden pallets in upstairs room adjacent to photo lab and office areas. Full effect of reaction is uncertain, but low risk of explosion in event of fire.

01 ☒ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 6
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Six employees routinely work with or around the chemicals and wastes involved in the routine photographic processing and graphic arts activities of the EPA-EPIC facility.

01 ☒ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 0.5 (Acres)
02 ☒ OBSERVED (DATE: 3-86) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Cyanide 0-300 mg/kg; silver 0-39.2 mg/kg; Chromium 0-785 mg/kg in the soils around the former photo processing effluent discharge point.

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: 6
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Danger of exposure to chemicals mitigated with use of safety equipment.

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

EPA FORM 2070-12 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER			
Vint Hill Station				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE / 08
Warrenton	VA	22186-5061	Fauquier	
09 COORDINATES LATITUDE: 38 44 00.N	LONGITUDE: 077 40 00 W			

10 DIRECTIONS TO SITE (Starting from nearest public road)
From Interstate 66 take U.S. 15 South to State Route 215 South

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)		
Military/U.S. Army			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Warrenton	VA	22186-5061	(703) 349-5117
07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)		
Same			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☒ B. FEDERAL: U.S. Army (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: / / (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / / (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☐ YES DATE / / (MONTH DAY YEAR)
☒ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☒ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: (Specify)
CONTRACTOR NAME(S): Roy F. Weston, Inc.

02 SITE STATUS (Check one)
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1942 (BEGINNING YEAR) | (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Oil, solvent, paint, cyanide, silver, chromium, acids, sanitary treatment sludge.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Contamination of ground and surface water from past photographic activities including heavy metals and cyanide.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)		03 TELEPHONE NUMBER
Mark Libby	Vint Hill Farms Station		(703) 349-5
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER / 08 DATE
Commander	U.S. Army	Vint Hill Farms Station	(703) 349-5000 / 8 / 6 (MONTH DAY)

EPA FORM 2070-12 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [X] B. POWDER, FINES
- [X] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [X] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS 70,000
NO. OF DRUMS 20

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A. TOXIC
- [X] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [X] E. SOLUBLE
- [ ] F. INFECTIOUS
- [X] G. FLAMMABLE
- [X] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [X] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	20,000	Cubic Feet	
OLW	OILY WASTE	2,000	Gallons	
SOL	SOLVENTS	1,000	Gallons	
PSD	PESTICIDES	Est.1,000	Gallons	Present in landfill
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			Cyanide discharge to S.W.
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	5	AC	Present in landfill

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OLW	Oil		UST drums /off site		
SOL	Solvent		Drums/off site		
SLV	Paint		Drums/off site		
PSD	Pesticides		Landfill		
MES	Chromium		Landfill	28	mg/l
MES	Silver		Landfill	7	mg/l
OCC	PCBs	1336-36-3	Landfill		

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Oil		FDS		
FDS	Solvent		FDS		
FDS	Paint		FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2,000 — 04 NARRATIVE DESCRIPTION

22 groundwater monitoring wells sampled 8/84 cyanide, metal and volatiles. None detected above background. Narrow cyanide plume believed to exist below streambed of tributary of South Run based on surface water analysis. Cyanide plume attributed to former EPIC outfall, although the former photographic waste lagoon is a potential source.

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: 5/85) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 150,000 — 04 NARRATIVE DESCRIPTION

Cyanide detected at (5) surface water sampling locations. Free cyanide (20 ug/L) detected in South Run downstream of VHFS

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: 1978) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 5 acres (Acres) — 04 NARRATIVE DESCRIPTION

Surface soil at landfill has 7 ppm silver and 28.0 ppm chromium

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 150,000 — 04 NARRATIVE DESCRIPTION

GW on-site is used for drinking water. No contamination of drinking wells detected. South Run discharges to Lake Manassas, a public water supply reservoir.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

ORIGINAL
(Red)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include number of species)

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 150,000

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See references in attached Preliminary Assessment Report.

logged

ORIGINAL

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CENTER
VINT HILL FARM STATION
P.O. 1587, WARRENTON, VIRGINIA 22186

April 15, 1988

Mr. Steven Hirsh
Docket Coordinator
Federal Agency Hazardous Waste
Compliance Docket
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

Dear Mr. Hirsh:

In response to your request to Douglas Sharp of the Bionetics Corporation, contractor to this facility, enclosed is the Preliminary Assessment (PA) Report for Building 166, Environmental Photographic Interpretation Center (EPIC) of the U.S. EPA, EMSL-Las Vegas Laboratory.

Please note that the EPIC Facility is a tenant organization of Vint Hill Farms Station of the U.S. Army, and all discharges from this building are through the Post sewage treatment plant. Although I have not verified this information, be aware that it is possible that the EPIC facility might be reported as a component organization within the PA report submitted by the U.S. Army for the Vint Hill Farms Station facility.

If you have any further questions about this report, please address them to me at (703) 349-8970 or FTS 557-3110.

Sincerely,

Thomas R. Osberg
Environmental Compliance Coordinator
Environmental Photographic Interpretation Center
Advanced Monitoring Systems Division

Enclosure

cc: (w/enclosure)
Eugene P. Meier, AMD
Robert G. Patzer, NRS

RECEIVED
APR 21 1988
SARA, Special Site Section
EPA, Region III

ORIGINAL

NEW

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
VA	6905900324

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
U.S. EPA Environmental Photo Interpretation Center	Bldg. 166, Vint Hill Farms Station

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Warrenton	VA	22186	Fauquier		7th

09 COORDINATES LATITUDE	LONGITUDE
38 44'23"	77° 40'52"

10 DIRECTIONS TO SITE (Starting from nearest public road)

U.S. Route 29-211 to U.S. Route 215, right to State Route 652
3 Km to Vint Hill Farms Station, Bldg 166

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
H.Q. Army Materiel Command	5001 Eisenhower Avenue

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Alexandria	VA	22333-0001	(703 274-9899

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
U.S. EPA Environmental Photo Interpretation Center	PO Box 1587, Vint Hill Farms Station

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
Warrenton	VA	22186	(703) 349-8970

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☒ B. FEDERAL: U.S. EPA (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER: (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: 7/5/80 (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / / (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES ☐ NO DATE 11/86 (MONTH DAY YEAR) EPA (Contractor)

8/7/86

BY (Check all that apply)

☒ A. EPA ☒ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: (Specify)

CONTRACTOR NAME(S): Arthur D. Little, Inc.

02 SITE STATUS (Check one)	03 YEARS OF OPERATION
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	7-73 (BEGINNING YEAR) Present (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Silver thiosulfate, ferricyanide bleach; waste systems cleaner containing chromium; hydrobromic acid, sulfuric acid, glacial acetic acid, sulfuric acid, sodium hydroxide, ammonium hydroxide, various photo processing solutions.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Discharge of substances listed in Sec IV-04 to the local sewage treatment plant could disrupt its operation and result in adverse impact to the receiving waters. On-site combustion could produce toxic atmosphere with human casualty.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Thomas R. Osberg	U.S. Environmental Protection Agency	(703) 349-8970

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Douglas C. Sharp	EPA	EPIC	(703) 349-8975	4/88 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

ORIGINAL

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
VA	

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☒ OBSERVED (DATE: 3-88) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 3
04 NARRATIVE DESCRIPTION

The current pollution control system relies on manually operated back-up containment which will allow chemical escape if spill situations are not discovered quickly.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☒ OBSERVED (DATE: 3-88) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

The EPA-EPIC has infrequently lost controlled chemicals to the sewage treatment plant through accidental circumstance causing temporary disruption to the operation of the sewage treatment plant receiving the EPA-EPIC waste water.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 40

IV. COMMENTS

EPA-EPIC is an aerial photo processing facility employing RCRA exempt recycling activities & short-term hazardous waste storage, & off-site disposal operations. EPIC was a small quantity generator during 1987, but is not a TSDF.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Reports entitled "Environmental Contamination Survey of Vint Hill Farms Station, VA" by the US Army Toxic & Hazardous Materials Agency, Mar 86; "Report of Industrial Waste Survey VHFS, VH" Apr 67; and "Water Quality Engineering Special Study No. 32-24-0096-79" Jun 78, by the U.S. Army Environmental Hygiene Agency. Environmental Audit by Region 3, Annapolis Laboratory conducted Nov 86.

EPA FORM 2070-12 (7-81)

ORIGINAL

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
VA	

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER (Specify)
- ☐ E. SLURRY
- ☒ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

- TONS
- CUBIC YARDS
- NO. OF DRUMS 0-6

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	6	Dr	Silver recovered on-site

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Used fixer	7440-27-4	TK/reclaimed	1.5	G/L
MES	Waste Systems Cleaner	7440-47-3	DR/off-site	22	MG/L
OCC	Ferricyanide bleach	999	TK/recycled	130	G/L
ACD	Hydrobromic acid	999	DR	48%	W/W
ACD	Sulfuric acid	7664-93-9	1 gallon bottles	98%	W/W
ACD	Acetic acid	64-19-7	1 gallon bottles	68%	W/W
BAS	Sodium hydroxide	1310-73-2	5 gallon carboy	50%	W/W
BAS	Ammonium hydroxide	1336-21-6	1 gallon bottles	29%	W/W

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Sample analysis
Material Safety Data Sheets

ORIGINAL

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
VA	

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: NA
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0
02 ☒ OBSERVED (DATE: 7/73) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

EPA-EPIC commenced operation in building formerly operated by Defense Intelligence Agency and U.S. Air Force. All photo processing solutions discharged to ditch leading to surface waters until 10/83 when effluent redirected to sewage treatment plant.

01 ☒ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: 200
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Could occur in the event of large fire involving chemical storage area with escape of smoke into atmosphere

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: 40
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Photo processing chemical kits contained in shipping boxes on wooden pallets in upstairs room adjacent to photo lab and office areas. Full effect of reaction is uncertain, but low risk of explosion in event of fire.

01 ☒ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 6
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Six employees routinely work with or around the chemicals and wastes involved in the routine photographic processing and graphic arts activities of the EPA-EPIC facility.

01 ☒ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 0.5 (Acres)
02 ☒ OBSERVED (DATE: 3-86) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Cyanide 0-300 mg/kg; silver 0-39.2 mg/kg; Chromium 0-785 mg/kg in the soils around the former photo processing effluent discharge point.

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: 6
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Danger of exposure to chemicals mitigated with use of safety equipment.

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CENTER
VINT HILL FARMS STATION
BUILDING 166, BICHER ROAD
WARRENTON, VIRGINIA 22186-5129

ORIGINAL

ORIGINAL
(Red)

July 11, 1991

MEMORANDUM

SUBJECT: Listings on Superfund Docket

FROM: Wade Talbot
Environmental Compliance Coordinator
Environmental Photographic Interpretation Center

TO: Lisa Cunningham
Hazardous Waste Management Division
Region 3, 3HW26

It was a pleasure to see you and Hank Sokolowski again last month at the Region III Federal Facilities Conference in Annapolis, Maryland. The purpose of this memo is to confirm our discussion concerning the EPA Environmental Photographic Interpretation Center (EPIC) listing on the Superfund docket.

It is our understanding that EPIC will be removed from the Federal Agency Hazardous Waste Compliance Docket since EPA is not the owner of the EPIC facility located on the Army's Vint Hill Farm Station and since Vint Hill Farm Station is already listed separately on the docket. Because EPIC will be removed from the docket, we understand, also, that we are not required to provide the preliminary assessment information requested in a recent memo from Mr. Sokolowski. EPIC will, of course, assist Vint Hill Farm Station in complying with any information requirements it must meet as the owner of this facility.

Would you please provide written confirmation of EPIC's removal from the docket and inform us if there are any other outstanding requirements.

cc:
Donald Garofalo, EPIC
Henry Sokolowski, Region 3
Richard Reisch, VHFS
Doug Sharp, ODC
William Baer, Bionetics

ORIGINAL
ORIGINAL
(Red)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

DON GAROFALO
BRANCH CHIEF
VINT HILL FARM STATION
BUILDING 166 - BICHER ROAD
WARRENTON, VA 22186

Re: EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR Compliance with CERCLA Section 120

Dear CHIEF GAROFALO:

As I am sure you are aware, your facility has been listed on the Federal Agency Hazardous Waste Compliance Docket (the docket) as of 11/16/88 in accordance with the requirements of Section 120 of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). EPA requires that all such facilities must submit to EPA a preliminary assessment (PA) within 18 months of being listed on the docket. The PA must provide data that will sufficiently allow EPA to evaluate the facility with the Hazard Ranking System (HRS) for potential listing on the National Priorities List (NPL).

To date, EPA has the following documents for your facility to support the PA requirement:

- U.S. EPA, April 1988, Preliminary Assessment.

EPA has reviewed all of the above documents in view of the data requirements of the revised HRS (55 FR 51532), but has determined that some data provided by the documents are deficient. Enclosed is an HRS scoring checklist that indicates which areas are deficient and therefore need to be addressed.

Although EPA Region III recognizes that the HRS is new and complex for many users, the statutory deadlines of CERCLA still must be met. In fact, EPA is currently under a court order to evaluate the docket facilities as a result of a recent lawsuit by the Conservation Law Foundation.

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(Red)

To assist facilities in preparing the PAs, EPA Region III is conducting a 2-day conference in Annapolis, Maryland on June 19 through 20, 1991. The first day of the conference will include in-depth discussion on the new HRS as it relates to federal facilities. A draft agenda is enclosed. You should have already received a formal invitation to the conference. By sending this followup letter, it is our hope that technical representatives from your facility (those directly responsible for preparing the PA) will attend at least the 1-day HRS session and come prepared to discuss the unique characteristics of your facility. EPA has designed the session so that we can answer some of the specific questions that relate to your facility.

As always, if you have any technical questions regarding the enclosed material, please call Ms. Lisa Cunningham at (215) 597-0984.

Sincerely,

Henry J. Sokolowski
Chief, Federal Facilities Section

cc: WADE TALBOT, HEALTH & SAFETY MANAGER, U.S. EPA,

Enclosures

- Deficiency checklist
- Draft agenda

HRS SCORING DEFICIENCY CHECKLIST

EPA ID # VA7690590024
Federal Facility ID # VA-680020931
Facility Name EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR

City WARRENTON State VA Zip 22186

		INFORMATION IS PROVIDED? Y/N	ACCEPTABLE? Y/N*
1.	**OVERVIEW/SITE HISTORY**		
1A.	Reports submitted to EPA are referenced and copies of each reference are provided.	N	___
1B.	Describe facility operations (manufacturing, storage, waste disposal practices, etc.) including the following:	N	___
1B1.	History of the facility and sources (any area containing or potentially containing hazardous substances).	N	___
1B2.	A topographic map with a 4-mile radius drawn around each source.	N	___
1B3.	A facility and source location map and sketch.	N	___
1B4.	Regulatory history of the facility (e.g., RCRA facility, TSCA, CERCLA, NPDES permits, etc.).	Y	Y
1C.	Describe any emergency response actions or interim remedial actions that have occurred at the facility. Description should include amount of materials removed, disposal location, and sample analytical results prior and subsequent to removal.	N	___
1D.	Describe any release of hazardous substances, pollutants, or contaminants to ground water, surface water, soil, or air and provide sampling results with detection limits, laboratory methods, and quality assurance procedures.	N	___
1E.	Give the following population within each radius indicated below. Each radius should begin at the center of each source if the source is small or at the outer edge if the source is large. Count population in overlapping areas only once.	N	___
1E1.	0 - 1/4 mile	___	___
1E2.	1/4 - 1/2 mile	___	___
1E3.	1/2 - 1 mile	___	___
1E4.	1 - 2 mile	___	___
1E5.	2 - 3 mile	___	___
1E6.	3 - 4 mile	___	___

* Where information is provided but not acceptable, see attachment for a detailed explanation of why the information is not acceptable.

HRS SCORING DEFICIENCY CHECKLIST

Facility Name EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR

		INFORMATION IS PROVIDED? Y/N	ACCEPTABLE Y/N*
1F.	Describe any prior spills (e.g., quantity of the spill, hazardous substances) that occurred at the facility.	N	___
1G.	Describe facility and source security and access (e.g., fences, patrols, gates, etc.).	N	___
2.	**WASTE/SOURCE INFORMATION (see Section 2 of the HRS Final Rule - December 1990 Federal Register)**		
2A.	Describe as specifically as possible the types of wastes produced at the facility and the methods in which these wastes were treated, stored, or disposed.	N	___
2B.	Describe as specifically as possible the amount (volume, weight, etc.) of each waste type produced and the form in which it was discharged or disposed (e.g., solid, liquid) at the facility.	N	___
2C.	Describe each source type (e.g., landfill) located within the facility boundary.	N	___
2D.	Describe as specifically as possible the constituents (concentrations of individual constituents) of each waste type disposed in each source.	N	___
2E.	Describe as specifically as possible the amount of waste treated, stored, or disposed of in each source (e.g., landfills, impoundments, tanks).	N	___
2F.	Determine the depth at which wastes were deposited in each source.	N	___
2G.	Describe as specifically as possible the condition/ integrity of each source (e.g., Do landfills have liners or caps?).	N	___
2H.	Describe any secondary containment features/structures associated with each source (e.g., precipitation runon and runoff systems, leachate collection systems, gas collection systems).	N	___
2I.	Describe the size, volume, capacity, and area of each source.	N	___
3.	**GROUND-WATER PATHWAY INFORMATION (see Section 3 of the HRS Final Rule - December 1990 Federal Register)**		
3A.	Determine if the ground water within a 4-mile radius of each source is used for any of the following purposes and locate the wells on a map. Each radius should begin at the center of each source if the source is small or at the outer edge if it is large. Provide the depth of each well.	N	___

* Where information is provided but not acceptable, see attachment for a detailed explanation of why the information is not acceptable.

ORIGINAL
ORIGINAL (Red)

HRS SCORING DEFICIENCY CHECKLIST

Facility Name EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR

		INFORMATION IS PROVIDED? Y/N	ACCEPTABLE? Y/N*
3A1.	private or public drinking-water source	___	___
3A2.	irrigation of commercial food or commercial forage crops (include acres)	___	___
3A3.	commercial livestock watering	___	___
3A4.	commercial aquaculture	___	___
3A5.	water for major or designated recreational area, excluding drinking-water use	___	___
3A6.	standby wells used for drinking water at least once a year	___	___
3B.	Outline the public water distribution system within a 4-mile radius of each source on a topographic map.	N	___
3C.	Identify the nearest drinking-water well within a 4-mile radius of each source.	N	___
3D.	Determine the population (including workers, students, and residents) drawing from each drinking-water well within the following radii. Each radius should start at the center of each source if the source is small, or at the outer edge if it is large. Count population in overlapping areas only once.	N	___
3D1.	0 - 1/4 mile	___	___
3D2.	1/4 - 1/2 mile	___	___
3D3.	1/2 - 1 mile	___	___
3D4.	1 - 2 mile	___	___
3D5.	2 - 3 mile	___	___
3D6.	3 - 4 mile	___	___
3E.	Describe known or probable ground-water flow direction from each source.	N	___
3F.	Describe as specifically as possible the geology and hydrogeology of the facility area (including geological formation name, thickness, types of material, hydraulic conductivities, and depth to aquifers); provide references.	N	___
3G.	Discuss any evidence of aquitards and discontinuities between aquifers within a 4-mile radius of each source.	N	___
3H.	Describe any evidence of interconnections between the uppermost aquifer and lower aquifers within 2 miles of each source.	N	___
3I.	Estimate annual net precipitation at the facility.	N	___
3J.	Discuss soil or geologic conditions that might inhibit or facilitate ground-water migration.	N	___

* Where information is provided but not acceptable, see attachment for a detailed explanation of why the information is not acceptable.

HRS SCORING DEFICIENCY CHECKLIST

Facility Name EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR

		INFORMATION IS PROVIDED? Y/N	ACCEPTABLE? Y/N*
3K.	Determine if sources are located in an area of Karst terrain.	N	___
3L.	Provide results from ground-water sampling of aquifers underlying the sources and from domestic wells (drinking water) within 2 miles of each source.	N	___
3M.	Provide results from background ground-water sampling of aquifers underlying the sources.	N	___
3N.	Determine if any areas within a 4-mile radius of each source are located in a Wellhead Protection Area according to Section 1428 of the Safe Drinking Water Act.	N	___
4.	**SURFACE-WATER PATHWAY INFORMATION (see Section 4 of the HRS Final Rule - December 1990 Federal Register)**		
4A.	Describe surface-water bodies 0 to 15 miles downstream of each source and provide a map of surface-water bodies receiving drainage from each source.	N	___
4B.	Discuss the probable surface runoff pattern from each source to surface waters, including the distance to the nearest surface-water body; provide a map.	N	___
4C.	Describe the point(s) at each source where hazardous substances begin to migrate and their probable point(s) of entry into a surface-water body (including ponds, lakes, streams, etc.).	N	___
4D.	Identify if surface water drawn from intakes within 15 miles downstream of the probable point of entry is used for any of the following purposes:	N	___
4D1.	irrigation (5-acre minimum) of commercial food or commercial forage crops	___	___
4D2.	watering of commercial livestock	___	___
4D3.	ingredient in commercial food preparation	___	___
4D4.	major or designated water recreation area, excluding drinking water	___	___
4E.	Identify the following targets associated with surface-water bodies 0 to 15 miles downstream of the probable point of entry:	N	___
4E1.	population (residents, workers, and students) served by intakes of drinking water	___	___

* Where information is provided but not acceptable, see attachment for a detailed explanation of why the information is not acceptable.

ORIGINAL

HRS SCORING DEFICIENCY CHECKLIST

Facility Name EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR

		INFORMATION IS PROVIDED? Y/N	ACCEPTABLE Y/N*
4E2.	sensitive environments (see Table 4-23, December 1990 Federal Register) and critical habitats for federally endangered or threatened species	___	___
4E3.	economically important resources (e.g., shellfish)	___	___
4E4.	any portion of the surface water designated by a state for drinking-water use under Section 305(a) of the Clean Water Act; or any portion of surface water usable for drinking water	___	___
4F.	Determine the miles of wetlands (wetland frontage) along surface-water bodies 0 to 15 miles downstream from the probable point of entry (see 40 CFR section 230.3).	N	___
4G.	Provide results from sampling of wetlands and/or sensitive environments 0 to 15 miles downstream of each source.	N	___
4H.	Discuss any qualitative, quantitative, or circumstantial evidence of contamination of surface waters from sources.	N	___
4I.	Provide results from sediment and surface-water sampling for points 0 to 15 miles downstream of each source.	N	___
4J.	Provide results from background sediment and surface-water sampling.	N	___
4K.	Provide results from sampling of surface-water intakes 0 to 15 miles downstream of each source.	N	___
4L.	Estimate the size of the upgradient drainage area for each source.	N	___
4M.	Determine the 2-year, 24-hour rainfall for the site.	N	___
4N.	Discuss the average annual streamflow associated with each surface-water body located 0 to 15 miles downstream of each source.	N	___
4O.	Determine surface soil types at the facility.	N	___
4P.	Determine if sources are located in a 1-year, 10-year, 100-year, or 500-year flood plain.	N	___
4Q.	Discuss fisheries (recreational or commercial) in surface-water bodies 0 to 15 miles downstream of each source:	N	___
4Q1.	Describe annual production (in pounds) of human food chain organisms (e.g., trout, shellfish, snapping turtles, crabs) per acre of streams and rivers 0 to 15 miles downstream of each source.	___	___

* Where information is provided but not acceptable, see attachment for a detailed explanation of why the information is not acceptable.

HRS SCORING DEFICIENCY CHECKLIST

ORIGINAL ORIGINAL (Red)

Facility Name EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR

		INFORMATION IS PROVIDED?	ACCEPTABLE?
		Y/N	Y/N*
4Q2.	Describe annual production (in pounds) of human food chain organisms (e.g., trout, shellfish, snapping turtles, crabs) per acre of ponds, lakes, bays, or oceans 0 to 15 miles downstream of each source.	___	___
4R.	Identify closed fisheries 0 to 15 miles downstream of each source.	N	___
4S.	Provide results from sampling of human food chain organism tissues in streams and rivers 0 to 15 miles downstream of each source and in ponds, lakes, and bays that receive drainage from the sources.	N	___
5.	**AIR PATHWAY INFORMATION (see Section 6 of the HRS Final Rule - December 1990 Federal Register)**		
5A.	Describe if there has been an observed release (i.e., visual or analytical evidence) of a hazardous substance to the atmosphere.	N	___
5B.	Determine the shortest distance to the closest residence or regularly occupied building or area from any on-site source.	N	___
5C.	Determine if any of the following resources are located within a 1/2-mile radius of each source	N	___
5C1.	commercial agriculture	___	___
5C2.	commercial silviculture	___	___
5C3.	major or designated recreation area	___	___
5D.	Determine if sensitive environments are within a 4-mile radius of each source.	N	___
5E.	Determine the total area of wetlands within a 4-mile radius of each source.	N	___
6.	**SOIL-EXPOSURE PATHWAY INFORMATION (see Section 5 of the HRS Final Rule - December 1990 Federal Register)**		
6A.	Describe any areas of contamination that are within 2 feet of the ground surface; provide the areal extent of contamination.	N	___
6B.	Provide locations and depths of soil samples and results.	N	___
6C.	Provide results of background soil sampling.	N	___

* Where information is provided but not acceptable, see attachment for a detailed explanation of why the information is not acceptable.

HRS SCORING DEFICIENCY CHECKLIST

ORIGINAL

Facility Name EPA ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CTR

		INFORMATION IS PROVIDED? Y/N	ACCEPTABLE? Y/N*
6D.	Describe the measures taken to limit access to areas with soil contamination within 2 feet of the surface (e.g., fences, security guards).	N	___
6E.	Determine if any of the following are located near or within an area of soil contamination (within 2 feet of the surface); provide the number of individuals for 6E1 and 6E2:	N	___
6E1.	within 200 feet of any residences, schools, or day care centers and within the property boundary	___	___
6E2.	within 200 feet of the work place area and within a work place property boundary	___	___
6E3.	within boundaries of commercial agriculture, silviculture, livestock production, or grazing area	___	___
6E4.	within boundaries of a terrestrial-sensitive environment (see Table 5-5, December 1990 Federal Register)	___	___
6F.	Determine the number of individuals who live, work, or attend school within the following distances of soil contamination (within 2 feet of the surface).	N	___
6F1.	0 - 1/4 mile radius	___	___
6F2.	1/4 - 1/2 mile radius	___	___
6F3.	1/2 - 1 mile radius	___	___

* Where information is provided but not acceptable, see attachment for a detailed explanation of why the information is not acceptable.

OCT 10 1989

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CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Director
U.S. Environmental Protection Agency
Environmental Photographic Interpretation Center
Vint Hill Farm Station
P.O. Box 1587
Warrenton, VA 22186

Re: Hazardous Waste Site Identification
EPA CERCLIS ID No. Pending

This letter is in response to the preliminary assessment (PA) of hazardous wastes which was submitted to this office for review. Based on this information, the Environmental Protection Agency (EPA) has developed a hazard ranking score (HRS) for the areas covered in the PA. Based on this HRS we have determined that no further remedial action is planned (NFRAP) at present. Accordingly there are two enclosures regarding the data your office submitted. The first is a review package developed by EPA based on the information you sent EPA and upon which we based our decision. The second is a draft of the guidance package, developed by EPA, which is intended to address data requirements for the recently proposed (FR 12/23/88) revised HRS. These enclosures are sent for your review. If, based on your review, you feel that your facility has not been properly assessed, or if you are aware of a condition, either now or in the future, which would alter EPA's determination, please let us know.

If you have any questions regarding this matter please call me at (215) 597-0823.

Sincerely,

James P. Harper
Site Investigation Officer

Enclosures: 2

Docket
NFRAP
JPH

NUS CORPORATION

999 WEST VALLEY ROAD
WAYNE, PENNSYLVANIA 19087
215-687-9510

ORIGINAL

CONFIDENTIAL

March 16, 1989
R-585-3-9-28
68-01-7346

Mr. Ben Mykijewycz
U.S. Environmental Protection Agency
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, Pennsylvania 19107

Subject: Final Report
TDD No. F3-8901-76
EPA No. Not Available
CERCLIS Site No. VA690590024
Environmental Photographic Interpretation Center
Warrenton, Virginia

Dear Mr. Mykijewycz:

Submitted herewith is a final Letter report and a Preliminary Assessment Deficiency Checklist for the subject site. There is insufficient information in the preliminary assessment report to calculate a Hazard Ranking System (HRS) score.

The Environmental Photographic Interpretation Center (EPIC) is an aerial photo-processing facility employing RCRA-exempt recycling activities, short-term hazardous waste storage, and off-site disposal operations. EPIC was a small-quantity generator during 1987 but is not a treatment, storage, and disposal (TSD) facility. Substances include silver thiosulfate; ferricyanide bleach; waste systems cleaner containing chromium; hydrobrumic acid; sulfuric acid; glacial acetic acid; sodium hydroxide; ammonium hydroxide; and various photo-processing solutions.

The facility is a tenant organization of Vint Hill Farms Station, of the United States Army, and all discharges from this building are through the post-sewage treatment plant.

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It was concluded in the preliminary assessment that no further action is required because of the lack of hazardous wastes. All wastes are treated properly at the subject site, and no industrial contaminants are being discharged from the site through stormwater, groundwater, or the sanitary sewer system. However, there is insufficient information presented in the preliminary assessment report to determine if any contamination had occurred prior to the assessment.

If you have any further questions, please contact me.

Respectfully submitted,

John Yasenchak
Project Manager

Reviewed by,

Thomas Fromm
Assistant Manager

Approved by,

Garth Glenn
Regional Operations Manager, FIT 3

JY/sk

Attachment

ORIGINAL

SITE: Environmental Photographic Interpretation Center
Warrenton, Virginia
CERCLIS Site No. VA690590024

Background

The Superfund Amendments and Reauthorization Act of 1986 (SARA) required that all Federal facilities listed on the Federal Agency Hazardous Waste Compliance Docket submit by April 17, 1988 a preliminary assessment (PA) addressing all releases or potential releases of hazardous substances from each facility.

Information Reviewed

A PA report for the subject site, received by EPA in April 1988, was reviewed. Paul Kohler, of the Virginia Department of Waste Management, has informed FIT during a telephone conversation that no state comments will be received for this site at this time.

Findings/HRS PREscore and PROscore

Based on the report submitted, there is insufficient information to calculate a Hazard Ranking System (HRS) score.

Information Required/Potential Information Sources

The information outlined in the attached checklist must be submitted in order to complete the assessment of the site and to determine the need for further study. Information on route characteristics, target populations, and hazardous waste quantities needed to complete an HRS score.

Chesapeake Bay Impact

The site is located west of Cedar Creek, which flows southwardly, eventually entering the Potomac River 30 miles southeast. The Potomac River flows southeastwardly another 30 miles into the Chesapeake Bay.

ORIGINAL

SITE: Environmental Photographic Interpretation Center
Warrenton, Virginia
CERCLIS Site No. VA690590024

Conclusions/Recommendations

The information supplied in the PA report indicates that the site could pose a potential threat to the environment and/or public health. However, not enough information was provided in the report to calculate an HRS score and determine the need for further action under this program.

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ATTACHMENT 1

CERCLIS Site No. VA 6905900 ORIGINAL

PA Deficiency Checklist

ENVIRONMENTAL PHOTO INTERPRETATION CENTER

	INFORMATION IS: PROVIDED Y/N	ACCEPTA Y/N
I. OVERVIEW/SITE HISTORY		
* Site operations	Y	Y
- history/years of operation		
- nature of operations (manufacturing, waste disposal, storage, etc.)	Y	Y
- site sketch	N	N
- topo map of surrounding area	N	N
* Description of any emergency or remedial actions that have occurred at the	N	N
* Description of any prior spills	N	N
* Description of relevant permitting matters	N	N
* Description of existing sampling and analysis data and brief summary of data quality	N	N
* Evaluate the data quality for the following:		
- sample objective	N	N
- age/comparability	N	N
- analytical methods	N	N
- detection limits	N	N
- QA/QC	N	N
II. WASTE CONTAINMENT/HAZARDOUS SUBSTANCE IDENTIFICATION		
* Describe as specifically as possible the methods of hazardous substance disposal, storage, or handling (i.e. types of containment).	Y	N
* Describe the condition/integrity of each storage disposal feature or structure. Evaluate from the perspective of each migration pathway (e.g., ground water pathway - nonexistent natural or synthetic liner, corroding underground storage tank; surface water - inadequate freeboard, corroding bulk tanks; air - unstabilized slag piles, leaking drums, etc.).	N	N
* Describe any secondary containment features/structures (such as run-on diversion system, leachate collection systems).	N	N

	INFORMATION IS: PROVIDED Y/N	ACCEPTAB Y/N
* Describe size/volume of all features/structures that contain hazardous substances or volume of previously reported spills.	Y	Y
* Describe as precisely as possible existing permits and the types (i.e. liquid, solid, etc.) of hazardous substances handled on site.	N	N
* Discuss any records or manifests which provide data on volume of hazardous substances handled/disposed/released on site.	N	N
III. GROUND WATER PATHWAY		
* Determine if ground water within four miles of the site is used for any of the following purposes (if the answer to this is "unusable," then it is not necessary to answer the following questions).	N	N
- private or public drinking water source		
- commercial		
- irrigation (5-acre minimum)		
- industrial		
- not used, but usable		
- unusable		
* Determine the population drinking ground water drawn from wells within four miles of the site.	Y	Y
* Identify nearest well within four miles that is a source of drinking water	N	N
* Discuss known or probable ground water flow direction, if possible.	N	N
* As precisely as possible, describe the geology and hydrogeology of the site area (including names, thickness, types of material and depth from surface, including soils).	N	N
* Discuss any evidence of aquitards between aquifers within four miles of the site.	N	N
* Discuss any evidence of interconnections between uppermost aquifers and aquifers used for drinking water supply within four miles of the site	N	N

CERCLIS Site no. VA6905900

ORIGINAL INFORMATION IS:

	PROVIDED Y/N	ACCEPTABL Y/N
* Estimate annual net precipitation (by summing monthly values).	N	N
* Discuss soil or geological conditions that might inhibit or facilitate ground water migration.	N	N
* Discuss any qualitative, quanitative, or circumstantial (e.g., closures of a well) evidence of a release to ground water.	N	N
* Identify if any underlying aquifers are "sole source" aquifers as designated according to Section 1424(e) under the Safe Drinking Water Act.	N	N
* Determine if the site is located in an area of karst terrain.	N	N
IV. SURFACE WATER PATHWAY		
* Describe surface water bodies of concern within the 15 mile target distance limit.	Y	N
* Discuss the probable surface runoff patterns from the site to surface waters including the distance to the nearest body of surface water.	Y	N
* Discuss whether the facility is located in surface water (e.g., marsh, swamp) or a floodplain.	N	N
* From a topographic map, calculate and discuss the slope between the point where hazardous substances begin to migrate and the probable point of entry into the surface water body.	N	N
* Identify if surface water drawn from intakes within 15 miles from the probable point of entry is used for any of the following purposes:	N	N
- irrigation of commercial food or forage crops (5-acre minimum)		
- commercial livestock watering		
- commercial food preparation		
- commercial/industrial purposes other than drinking water, recreation, or fishery uses		
* Identify and discuss the nature and size of any of the following targets within the 15 mile target distance limit:	N	N
- population served by intakes drawing drinking water		
- population associated with recreational use		

	ORIGINAL INFORMATION IS PROVIDED Y/N	ACCEPTABL Y/N
- sensitive environments (including fresh water or coastal wetlands [5 acre minimum] and critical habitats of a federally-designated endangered species)		
- economically important resources (e.g., shellfish)		
* Discuss any qualitative, quantitative, or circumstantial (e.g., contaminated surface water downstream of the site) evidence of hazardous substances handled on site.	Y	Y
* From a topographic map, estimate the size (in square miles) of the upgradient drainage area from the site.	N	N
* Discuss the average annual stream-flow in the vicinity of the site.	N	N
* Discuss any biological sampling that might assess the food chain and recreational impacts.	N	N
* If fisheries (recreational or commercial) exist within the 15-mile target distance limit, assess each of the following:	N	N
- acreage of oceans, large lakes, or rivers		
- acreage of ponds or lakes fed by low-volume streams		